

Converting Colors

XYZ(11.7622, 14.9435, 3.6145)

Have a look what the booklet for
XYZ(11.7622, 14.9435, 3.6145)
contains.

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Color

**XYZ(11.7575, 14.9637,
3.6351)**

Conversions

Conversions Part 1

Format	Color
Hex	667220
RGB	102, 114, 32
RGB Percent	40%, 45%, 13%
CMY	0.6000, 0.5529, 0.8745
CMYK	0.11, 0.00, 0.72, 0.55
HSL	69°, 56%, 29%
HSV	69°, 72%, 45%
XYZ	11.7575, 14.9637, 3.6351
YIQ	101.0640, 19.1700, -28.0460

Conversions

Conversions Part 2

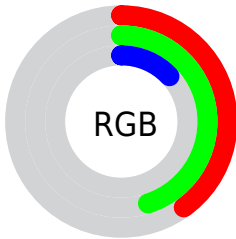
Format	Color
R _Y B	32, 114, 44
Decimal	6713888
CIE Lab	45.58, -16.32, 41.78
CIE LCh	46, 44.854, 111.334
Yxy	14.9637, 0.3873, 0.4929
Android (android.graphics.Color)	4284903968 (0xFF667220)
YUV	101.0640, -34.0486, 0.8209
Hunter-Lab	38.6829, -13.4409, 21.5065

Details

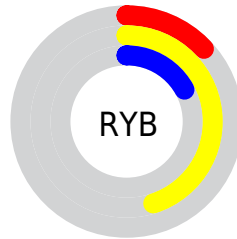
The XYZ color **11.7575, 14.9637, 3.6351** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.5930, 2.7838, 16.2158**, and the grayscale version is **12.4683, 13.1176, 14.2851**.

A 20% lighter version of the original color is **28.6768, 34.8502, 13.1980**, and **3.3644, 4.6265, 0.7157** is the 20% darker color. If you saturate the color by 10%, you get **11.4415, 14.8162, 2.9471**, and if you desaturate by 10%, it is **12.1316, 15.1360, 4.6066**.

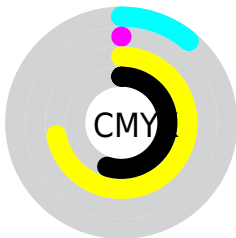
Distribution



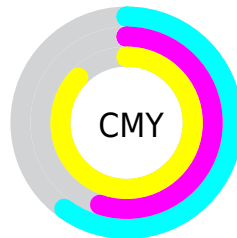
- Red (40%)
- Green (45%)
- Blue (13%)



- Red (13%)
- Yellow (45%)
- Blue (17%)



- Cyan (11%)
- Magenta (0%)
- Yellow (72%)
- Black (55%)



- Cyan (60%)
- Magenta (55%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7575, 14.9637, 3.6351 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 11.7575, 14.9637, 3.6351 by changing the saturation by 10% instead.

■ 11.7575, 14.9637,
3.6351

■ 11.7575, 14.9637,
3.6351

196.5961,
223.1464, 144.0788

■ 6.6498, 8.7939,
1.4274

■ 28.6734, 34.7895,
13.1590

■ 3.2884, 4.6070,
0.1629

■ 41.2122, 49.2143,
21.3123

■ 1.3081, 2.0186,
0.0000

■ 56.9589, 67.1595,
32.2846

■ 0.1892, 0.6182,
0.0000

■ 76.2787, 89.0096,
46.4943

■ 0.0000, 0.0000,
0.0000

■ 99.5369, 115.1490,
64.3601

■ 127.0990,

145.9619, 86.3004

159.3303,
181.8330, 112.7338

11.7575, 14.9637,
3.6351

11.7575, 14.9637,
3.6351

11.4415, 14.8162,
2.9471

12.1316, 15.1360,
4.6066

11.1768, 14.6891,
2.5105

12.5679, 15.3330,
5.8869

10.9810, 14.5940,
2.2382

13.0712, 15.5573,
7.4997

13.6454, 15.8104,
9.4660

14.2943, 16.0938,
11.8052

■ 15.0212, 16.4089,
14.5351

■ 15.8295, 16.7569,
17.6725

■ 16.7221, 17.1392,
21.2332

■ 17.7018, 17.5567,
25.2322

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.3367, 14.9637, 3.2183



11.7575, 14.9637, 3.6351



9.3032, 14.9637, 6.4977

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



11.7575, 14.9637, 3.6351



10.1769, 14.9637, 38.3176



22.6069, 14.9637, 19.6061

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



11.7575, 14.9637, 3.6351



4.5930, 2.7838, 16.2158

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.6274, 14.9637, 32.8977



11.7575, 14.9637, 3.6351



13.1637, 14.9637, 46.4166

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



11.7575, 14.9637, 3.6351



8.5084, 14.9637, 25.0186



17.0101, 14.9637, 44.0869



22.0507, 14.9637, 9.8762

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



11.7575, 14.9637, 3.6351



8.4271, 14.9637, 10.5378



17.0101, 14.9637, 44.0869



22.2049, 14.9637, 23.8349

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



11.7578, 14.9644, 3.6354



25.0410, 28.2465, 20.4614



8.0621, 5.4050, 1.9851



5.7369, 6.5088, 4.5337



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.7578, 14.9644, 3.6354



19.8028, 25.8906, 4.6489



8.2694, 13.1660, 3.4722



3.5962, 3.8927, 3.6352



12.2127, 16.2396, 2.4909



60.2725, 80.6056, 12.3817

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4.5930, 2.7838, 16.2158



6.4492, 3.0983, 28.2336



7.2045, 4.1300, 16.3380



3.2589, 3.3218, 4.2236



3.6221, 1.4767, 17.8157



17.5774, 7.1159, 88.7262

Previews

White Background



This preview shows how the XYZ color 11.7575, 14.9637, 3.6351 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 11.7575, 14.9637, 3.6351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7575, 14.9637, 3.6351

Background



This preview shows how black text looks on a background with the XYZ color 11.7575, 14.9637, 3.6351.



This preview shows how white text looks on a background with the XYZ color 11.7575, 14.9637,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

11.7575, 14.9637, 3.6351

Protanopia

13.4821, 14.8838, 3.3906

Deuteranopia

15.0770, 14.7872, 3.8098



Tritanopia

14.6790, 14.8609, 18.3144

Trichromacy



Original Color

11.7575, 14.9637, 3.6351

Protanomaly

12.7627, 14.8282, 3.4858

Deuteranomaly

13.6258, 14.6404, 3.6978

Tritanomaly

13.1717, 14.7190, 10.7411

Monochromacy



Original Color

11.7575, 14.9637, 3.6351

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.8254, 13.5966, 8.8386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7575, 14.9637, 3.6351 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 114, 32)` looks like.

```
.text, #text, p{  
    color:rgb(102, 114, 32)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 114, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 114, 32) }
```

Border

The CSS property to change the border of an element to XYZ 11.7575, 14.9637, 3.6351 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 114, 32) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(102, 114, 32) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(102, 114, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 114, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 114, 32);  
box-shadow:4px 4px 4px 4px rgb(102, 114,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7575, 14.9637, 3.6351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 114, 32) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102,  
114, 32) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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